

Docket No.: 254787US0PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: : ATTN: PCT Legal Office

Shin AIHARA et al. : INT'L. APPLICATION ✓  
PCT/JP03/01940

SERIAL NUMBER: 10/500,859

INT'L. FILING DATE: 21 February 2003

FOR: ANTIFOULING DETERGENT FOR HARD SURFACES

PETITION UNDER 37 C.F.R. 1.181 TO WITHDRAW  
HOLDING OF ABANDONMENT

ASST. COMMISSIONER OF PATENTS & TRADEMARKS  
Box PCT  
Alexandria, Virginia 22313

11/04/2004 JKUSTR: 00000006 10500859

01 FC:1460 130.00 DA

Applicants are in receipt of a notice of abandonment mailed October 14, 2004 in the above-identified national stage application which states that the application is abandoned for failure to provide the full U.S. Basic National Fee by 30 months.

However, Applicants wish to advise that the full U.S. Basic National Fee was duly paid on July 19, 2004 which is prior to the 30 month deadline of August 22, 2004. Moreover, Applicants' representative authorized the Patent Office to charge any additional fees which may be required, or credit any overpayment to our Deposit Account with the papers filed on July 19, 2004.

In support of the above statements, Applicants are submitting herewith a copy of the following papers which were filed on July 19, 2004:

- copy of date-stamped filing receipt
- copy of PCT Transmittal Letter
- copy of credit card payment form for \$920.00

The undersigned states that the copies of the papers being submitted herewith are in fact true copies of the papers originally deposited on July 19, 2004.

It is additionally noted that the priority date for International application PCT/JP03/01940 appearing on the Notification of Abandonment (03/23/01) is incorrect. The correct priority date is February 22, 2002, as evidenced by the enclosed copy of International publication WO 03/070867.

Applicants' therefore believe that sufficient evidence has been presented for the Patent Office to withdraw the holding of abandonment. Such action is hereby earnestly solicited.

If any fee is required for this petition, the fee may be charged to our Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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MAIER & NEUSTADT, P.C.



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**CUSTOMER NUMBER**  
**22850**

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number  
**WO 03/070867 A1**

(51) International Patent Classification<sup>7</sup>: **C11D 3/37**

(21) International Application Number: **PCT/JP03/01940**

(22) International Filing Date: 21 February 2003 (21.02.2003)

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(30) Priority Data:  
NO. 2002-46122 22 February 2002 (22.02.2002) JP

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

COPY

(54) Title: **ANTIFOULING DETERGENT FOR HARD SURFACES**

(57) Abstract: This invention provides an antifouling detergent for hard surfaces, which is excellent in antifouling effect without any problem in corrosion of metallic materials. The antifouling detergent for hard surfaces comprises a polymer comprising a monomer unit A having at least one group selected from amino groups and quaternary ammonium groups and a monomer unit B represented by -SO<sub>2</sub>-, in a specific ratio in the molecule.

WO 03/070867 A1

COPY

Due Date August 22, 2004

OSMM&N File No. 254787US0PCT

By NFO/nab/FF

Serial No. New U.S. PCT Application based on PCT/JP03/01940

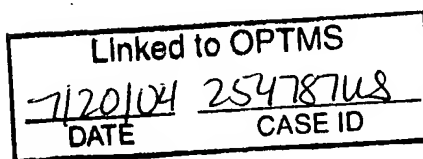
In the matter of the Application of Shin AIHARA, et al.  
For ANTIFOULING DETERGENT FOR HARD SURFACES

The following has been received in the U.S. Patent Office on the date stamped hereon:

- Combined Declaration, Petition & Power of Attorney (4 pages)
- Application Data Sheet
- Notice of Priority
- Dep. Acct. Order Form
- Credit Card Payment Form for \$920.00
- PCT Transmittal Letter
- Preliminary Amendment
- PCT/IB/304
- Information Disclosure Statement
- Cited References (11)
- International Search Report
- PCT/IB/308
- PTO-1449
- Statement of Relevancy

SERIAL NO. 10/500859

DATE RECEIVED Rec'd PCT/PTO 19 JUL 2004



TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

254787US0PCT

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

INTERNATIONAL APPLICATION NO.  
PCT/JP03/01940INTERNATIONAL FILING DATE  
21 February 2003PRIORITY DATE CLAIMED  
22 February 2002

## TITLE OF INVENTION

ANTIFOULING DETERGENT FOR HARD SURFACES

COPY

APPLICANT(S) FOR DO/EO/US

AIHARA Shin et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☐ Express Mail Label No.
23. ☒ Other items or information:

PCT/IB/304

PCT/IB/308 / Statement of Relevancy

Form PTO-1449 / Cited References (11)

Request for Priority / Application Data Sheet

U.S. APPLICATION NO. (IF KNOWN, SEE <b>37 CFR 1.492</b> )	INTERNATIONAL APPLICATION NO. <b>PCT/JP03/01940</b>	ATTORNEY'S DOCKET NUMBER <b>254787US0PCT</b>
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24. The following fees are submitted:				<b>CALCULATIONS PTO USE ONLY</b>	
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b>					
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1080.00</b>					
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$730.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$920.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				<b>\$0.00</b>	
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>		
Total claims	8 - 20 =	0	x \$18.00	<b>\$0.00</b>	
Independent claims	1 - 3 =	0	x \$84.00	<b>\$0.00</b>	
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>	<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$920.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$0.00</b>	
<b>SUBTOTAL =</b>				<b>\$920.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$920.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).				<input type="checkbox"/>	<b>\$0.00</b>
<b>TOTAL FEES ENCLOSED =</b>				<b>\$920.00</b>	
				<b>Amount to be: refunded</b>	<b>\$</b>
				<b>charged</b>	<b>\$</b>

a. ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0030

d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer Number <b>22850</b>
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**COPY**

SIGNATURE \_\_\_\_\_

**Norman F. Oblon**

NAME \_\_\_\_\_

**24,618**

REGISTRATION NUMBER \_\_\_\_\_

DATE \_\_\_\_\_